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1. [Purification and characterization of an extracellular polysaccharide from haloalkalophilic Bacillus sp. I-450](#)

Kumar, C.G. / Joo, H.-S. / Choi, J.-W. / Koo, Y.-M. / Chang, C.-S., *Enzyme and Microbial Technology*, Jun 2004

...carboxyl groups in the **polysaccharide**. This is because...affinity of the **polysaccharide** for interaction...with respect to **viscosity** and **gel** strength measurements...reduction in the **viscosity** suggests the disruption of the **gel** structure and attaining...

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2. [NOVEL POLYSACCHARIDE HAVING SPECIFIC VISCOSITY CHARACTERISTIC AND ITS PRODUCTION](#)

OKAMURA KAZUHIKO / YANASE EIJI / TSUSHOSANGYOSHOKISO SANGYOKYOKUCHO, *PATENT ABSTRACTS OF JAPAN*, Aug 1998

...SOLVED: To obtain a **polysaccharide** which has a specified...changes in its **viscosity** but also changes...viscous solution to a **gel** state by culturing...culture. SOLUTION: **Polysaccharide**-producing bacteria...solution of this **polysaccharide** is a viscous solution...solution is in a **gel** state.

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3. [METHOD FOR MANUFACTURING HYDROGEL BY RECYCLINGLY USED POLYSACCHARIDE DERIVATIVE](#)

YOSHII FUMIO / KUME TAMIKAZU / JAPAN ATOM ENERGY RES INST, *PATENT ABSTRACTS OF JAPAN*, Feb 2004

...time whose **viscosity** is gradually reduced to lose **gel** elasticity...disposing of this **viscosity**-reduced hydrogel...recycling the used **polysaccharide** derivative...reduced in **viscosity** by using the...cellulose and/or **polysaccharide** derivative...

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4. [Absorbent articles for feminine protection with gel-forming polysaccharide-comprising wings](#)

Carlucci, Giovanni / Pesce, Antonella / Di Cintio, Achille / THE PROCTER & /

GAMBLE COMPANY, EUROPEAN PATENT, Apr 2003

...a gel-forming **polysaccharide** or mixture thereof in the wings. **Gel-forming polysaccharides** for use herein...will result in **viscosity** increase of those fluids or even gel formation. This...Suitable gel-forming **polysaccharides** for use according...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

5. POLYSACCHARIDE BASED GEL

WILLIAMS, Peter / HICKEY, Martina / MITCHELL, David / CHESHAM CHEMICALS LIMITED, PATENT COOPERATION TREATY APPLICATION, Dec 2001

...24'C. The **viscosity** of the resulting **gel** is partly...non-gelling **polysaccharide** solution...instance, the **viscosity** of a xanthan-konjac mannan **gel** which results...than the **viscosity** of a corresponding **gel** which results...starting **polysaccharide** solution...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

6. Polysaccharide which can reduce viscosity resulting from psyllium, and foods containing the polysaccharide and psyllium

Ueda, Kazuhiko / Akiyama, Daizaburo / Date, Katsuhiro / Nakazeko, Takuo / Kawamura, Yasumasa / NISSIN SHOKUHIN KABUSHIKI KAISHA, EUROPEAN PATENT, Jun 2000

...elevated **viscosity/gel** formation...specified **polysaccharide** as described...containing such **polysaccharide** having low **viscosity** was heated...sterilizing it, **gel** formation...**viscosity** and **gel** strength...psyllium **viscosity-reducing polysaccharide** As described...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

7. Behaviors of Polysaccharide Solution, Dispersions and Gels [7K]

Jun 2002

Choosing a gum n Consider – Available **viscosity** grades – Amount of the proper **viscosity** grade to give the specified **viscosity** or **gel** strength – Cost/functionality (cost of the amount needed to impart the...

more hits from [http://www.cfs.purdue.edu/class/f&n630/Virt_Class_2/po...]
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8. On the interchain associations in aqueous solutions of a succinoglycan polysaccharide

Boutebba, A. / Milas, M. / Rinaudo, M., International Journal of Biological Macromolecules, May 1999

...Succinoglycan **Polysaccharide** Aggregation...Order-disorder transition **Gel** Introduction...extracellular bacterial **polysaccharide**, is produced...induce a high **viscosity** in aqueous solutions...other worm-like **polysaccharides** or previously...look like a **gel**. In the , we...the Newtonian **viscosity** of these heated...

Full text article available from science direct
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9. Characterization of the extracellular polysaccharide produced by a marine cyanobacterium, Cyanothec sp. ATCC 51142, and its...

V Shah / A Ray / N Garg / D Madamwar, Curr Microbiol, Apr 2000

...physicochemical properties, such as relative **viscosity**, specific **viscosity**, and intrinsic **viscosity** of the EPS were studied under different conditions. The phenomenon of **gel** formation by the EPS was investigated for its...

MEDLINE/PubMed Citation on PubMed

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10. Sol - gel transition of alginate solution by addition of calcium ions : [PDF-58K]

Oct 2002

...concentration dependence of **gel** point for a polyelectrolyte...known to undergo sol-

gel transition by addition...critical behavior of **viscosity** for this system has...paper [12].
N°1 SOL-GEL TRANSITION OF ELECTROLYTE POLYSACCHARIDE 3 2 Experimental.
 Sodium...
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11. [Reduction of postoperative perineural adhesions by Hyaloglide gel: an experimental study in the rat sciatic nerve.](#)

Phong Dam-Hieu / Catherine Lacroix / Gérard Said / Pauline Devanz / Song Liu / Marc Tadie, Neurosurgery, Apr 2005

OBJECTIVE: To assess the effects of Hyaloglide **gel** (or auto-cross-linked **polysaccharide** [ACP] **gel** Fidia Advanced Biopolymers, Abano Terme...adhesions were found in animals treated with ACP **gel** (high **viscosity**) and Adcon-T/N compared with controls. Quantitative...

MEDLINE/PubMed Citation on 

[similar results](#)

12. [A comparative study on structure-function relations of mixed-linkage \(1→3\), \(1→4\) linear β-d-glucans](#)

Lazaridou, A. / Biliaderis, C.G. / Micha-Screttas, M. / Steele, B.R., Food Hydrocolloids, Sep 2004

...solution and **gel** state were studied...lichenan sample. All **polysaccharides** analyzed by 2D...concentration (c * *), **viscosity**, viscoelastic...broad endothermic **gel**- sol transitions...ratio of the **polysaccharide**. Furthermore...addition to solution **viscosity** enhancement...been shown to **gel** under certain...

Full text article available from 

[similar results](#)

13. [Sol-gel-derived biomaterials of silica and carrageenans](#)

Shchipunov, Y.A., Journal of Colloid and Interface Science, Dec 2003

...to the mature or cured **gel**. This represents a final...notably the kinetics of sol-**gel** processes. They all induced...stage (Fig. 4). The **viscosity** of the solutions began...THEOS concentrations. The **polysaccharides** affected also the conditions for the **gel** preparation. The acceleration...

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14. [Impact of proteins-k-carrageenan interactions on foam properties](#)

Carp, D.J. / Baeza, R.I. / Bartholomai, G.B. / Pilosof, A.M.R., Lebensmittel-Wissenschaft und -Technologie, Aug 2004

...for the development of **viscosity** during cooling of foams...Fig. 1 Fig. 1 Apparent **viscosity** of mixed **polysaccharide**-protein foams during **gel** formation as a function...observed while apparent **viscosity** was measured. Therefore...

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15. [Complementary exploration of the action pattern of hyaluronate lyase from Streptococcus agalactiae using capillary...](#)

Andrea V Kühn / Jörg-H Ozegowski / Gundela Peschel / Reinhard H H Neubert, Carbohydr Res, Oct 2004

...analyzed by capillary electrophoresis (CE-UV and online CE-ESIMS), **gel**-permeation chromatography (GPC) and viscosimetric measurements...observed oligosaccharides and reaction time. Determination of **viscosity** at different stages of reaction yielded an initial rapid decrease...

MEDLINE/PubMed Citation on 

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16. HETERO-POLYSACCHARIDE CONJUGATES, S-INP POLYSACCHARIDE GELS AND METHODS OF MAKING AND USING THE SAME

MARES-GUIA, Marcos / RICORDI, Camillo / Biomm, Incorporated, EUROPEAN PATENT, Feb 2000

...novel hetero-**polysaccharide** conjugate...adjustable **viscosity**, prepared...of hetero-**polysaccharide** conjugate...calcium and/or a **gel** or sol comprising the hetero-**polysaccharide** conjugate...adjustable **viscosity**, prepared...

Full text available at patent office. For more in-depth searching go to  **similar results**

17. Molecular weight, tertiary structure, water binding and colon behaviour of ispaghula husk fibre.

Saphwan Al-Assaf / Glyn O Phillips / Peter A Williams / Shoji Takigami / Peter Dettmar / Michael Havler, Proc Nutr Soc, Feb 2003

...alkaline extracts, of the **polysaccharide** from ispaghula husk (IH) were examined using **gel**-permeation chromatography...106 Da. To mimic the **polysaccharide** degradation, particularly...becomes bound to the **polysaccharide** and freezes and melts...form a solid and stiff **gel**, the greater part of...

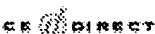
MEDLINE/PubMed Citation on 

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18. A new precursor for the immobilization of enzymes inside sol-gel-derived hybrid silica nanocomposites containing...

Shchipunov, Y.A. / Karpenko, T.Y. / Bakunina, I.Y. / Burtseva, Y.V. / Zvyagintseva, T.N., Journal of Biochemical and Biophysical Methods, Jan 2004

...provided by the **polysaccharide** added into a...introduced, the **sol-gel** transition was...rise of the **viscosity**. It was accompanied...type of added **polysaccharide**, transferred...the zero-shear **viscosity** and plateau modulus on the **polysaccharide** concentration...unmodified silica **gel**. Furthermore...

Full text article available from 

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19. Gelling of otherwise nongelable polysaccharides

Shchipunov, Y.A. / Karpenko, T.Yu. / Krekoten, A.V. / Postnova, I.V., Journal of Colloid And Interface Science, Jul 2005

...diversity, all the **polysaccharides** mentioned may be assigned...aqueous solutions into a **gel** state. They could only increase the **viscosity**, providing a thickening...transition into a **gel** state was found in the **polysaccharide** solutions only when...

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20. CROSS-LINKED POLYSACCHARIDE COMPOSITION

VONWILLER, Simone, Charlotte / HEBER, Geoffrey, Kenneth / ULTRACEUTICALS R & / D PTY LIMITED, PATENT COOPERATION TREATY APPLICATION, Oct 2004

...linked **polysaccharide gel**. Optionally, the cross-linked **polysaccharide gel** may be further treated...mixture to affect the **viscosity** of the **gel**. As further reported in the Examples below, the **polysaccharide gel** formed by the foregoing...

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xai:
Or:
AI:
F:

21. **COMPOSITIONS OF POLYACIDS AND POLYETHERS AND METHODS FOR THEIR USE IN REDUCING PAIN**

SCHWARTZ, Herbert, E. / BLACKMORE, John, M. / CORTESE, Stephanie, M. / OPPELT, William, G. / DIZEGERA, Gere / FZIOMED, INC., PATENT COOPERATION TREATY APPLICATION, Mar 2005

...Ionic cross-linking of **polysaccharides** is well documented...Morris and Norton, **Polysaccharide** Aggregation in Solutions...alpha-L-glucuronic acid (**polysaccharide**) can fond association...ordered structures and **gel** formation. Similar...gels having increased **viscosity**. Creation of complexes...

Full text available at patent office. For more in-depth searching go to  **similar results**

22. **MICROPARTICLES OF A THERMALLY-GELLING POLYMER**

COOK, Richard, B. / XC Corporation, EUROPEAN PATENT, Oct 2001

...use of high-**viscosity**, maximum-gel-strength agarose...of the lower-**viscosity**, lower-gel-strength agarose...the gelling **polysaccharide** concentration, the higher the **viscosity** of the composition...less than 300 centipoise (cps) (300 mPas...)

Full text available at patent office. For more in-depth searching go to  **similar results**

23. **NONFOAMING GEL SHAVING COMPOSITION**

YAMAMOTO NOBUSHIGE / TOTOKI SHINTARO / UTSU ATSUSHI / KAO CORP, PATENT ABSTRACTS OF JAPAN, May 1997

...nonfoaming **gel** shaving composition...polymer and a **polysaccharide** polymer as...setting the **viscosity** of the composition...0wt. %), a **polysaccharide** polymer...Brookfield **viscosity** is adjusted...000-70,000 centipoise at 30°C. The **polysaccharide** polymer is...

Full text available at patent office. For more in-depth searching go to  **similar results**

24. **COMPOSITIONS AND METHODS FOR REDUCING SCAR TISSUE FORMATION**

FISCHELL, Robert, E. / FISCHELL, Tim, A. / FISCHELL, Sarah, T. / WALDORF, Clayton, MacKenzie / AFMEDICA, INC., PATENT COOPERATION TREATY APPLICATION, Dec 2004

...within a liquid, solid or **gel**. The diameter of the...the bubbles. The term "gel" as used

herein, refers...various degrees, a medium **viscosity** liquid or a jelly-like...suspended in a solvent. A **gel** may also encompass a...oligonucleotides or nucleotides, **polysaccharides** or sugars. Compounds...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 25. POLYSACCHARIDE MICROSPHERES FOR THE PULMONARY DELIVERY OF DRUGS**
ILLUM, Lisbeth / WATTS, Peter, James / West Pharmaceutical Services Drug Delivery & / Clinical Research Centre Limited, EUROPEAN PATENT, Feb 1999
...20 ml. The **viscosity** of the resultant drug/**polysaccharide** solution should...A solution **viscosity** in the range 1 - 15 centipoise is preferred...system such **viscosity** is measured...The drug/**polysaccharide** solution can...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 26. Stabilized fluids containing soluble zinc**
Cashion, James P. / Dobson Jr., James W. / Texas United Chemical Company, LLC., EUROPEAN PATENT, Jun 1998
...low shear rate **viscosity** of brine- based, **polysaccharide**-containing fluids...increasing the **viscosity** of the brines by...and derivatized **polysaccharides**. While combining...bromides, and the **viscosity** produced is often...
Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 27. SOFT TISSUE AUGMENTATION MATERIAL**
Hubbard, William G. / Bioform Inc., EUROPEAN PATENT, Jan 1995
...scars. Kresa et al. "Hydron Gel Implants in Vocal Cords", Otolaryngology...shaped implant of a hydrophilic **gel** that has been previously dried...biocompatible, resorbable lubricious **gel** carrier comprising, e.g., a **polysaccharide**. This serves to improve the...
Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 28. Sterile gel compositions for wound treatment**
Hardy, Craig Julian / Findlay, Charlotte Maria / JOHNSON & / JOHNSON MEDICAL, INC., EUROPEAN PATENT, Jan 1996
...drastic reduction in the **gel viscosity**. This rules out sterilisation...casting an aqueous **gel** of a **polysaccharide** such as an alginate...000 to 350,000. Each **gel** is then sterilised...measure of F0 12 . The **viscosity** in centipoise (cps) at 20°C is...
Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 29. GEL-FORMING COMPOSITIONS**
BROWNE, L. Daniel / DAKE, Michael D. / WAUGH, Jacob / ESSENTIA BIOSYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION, Apr 2001
...373) ionic **polysaccharides**, such as...existing **gel** compositions...complex **viscosity** profiles...having a **viscosity** ranging from...Preferably, the **viscosity** of the **gel** decreases...carboxyalkyl **polysaccharide** derivative...
Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 30. APHRON-CONTAINING WELL DRILLING AND SERVICING FLUIDS OF ENHANCED STABILITY**
BROOKY, Tommy, F. / Actisystems, Inc., EUROPEAN PATENT, Jul 2001
...low shear rate **viscosity** of at least 40 000 centipoise. In a second...low shear rate **viscosity** of at least 40,000 centipoise. In a third aspect...least 10,000 centipoise. ELSRV fluids...low shear rate **viscosity** (LSRV) at 0.5...
Full text available at patent office. For more in-depth searching go to LexisNexis similar results

- 31. CHITOSAN-CONTAINING WELL DRILL AND SERVICING FLUIDS**

COWAN, Jack, C. / VENTURE INNOVATIONS, INC., PATENT COOPERATION TREATY APPLICATION, Oct 2002

...unique in that it is a **polysaccharide** containing primary...for controlling the **viscosity**, **gel** strength, and fluid...is well known that **polysaccharides** are degraded by heat...**polysaccharides** decreases the **viscosity** of the fluid, most...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

32. Polysaccharide containing fluids having enhanced thermal stability

Dobson, James W. / TEXAS UNITED CHEMICAL COMPANY, LLC., EUROPEAN PATENT, Jun 1995

...well known **polysaccharides** which are...such as **viscosity**, **gel** strength...examples of **polysaccharides** include starches...stability of **polysaccharide**-containing...plastic **viscosity** in Pascal second (**centipoise**) YP = yield...10 minute **gel** strengths...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

33. Aqueous film forming foam concentrates for hydrophilic combustible liquids and method for modifying viscosity of same

Hansen, Steven W. / Wagner, Debbie L. / ANSUL, INCORPORATED, EUROPEAN PATENT, Aug 1994

...high molecular weight **polysaccharides**, performance is unsatisfactory...concentrates with a very high **viscosity**. A typical AFFF concentrate...high molecular weight **polysaccharide** will exhibit a **viscosity** of 3000-5000 **centipoise** (mPa.s) when measured...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

34. SOFT TISSUE AUGMENTATION MATERIAL

HUBBARD, William, G. / HUBBARD, William, G., PATENT COOPERATION TREATY APPLICATION, Aug 1993

...scars. Kresa et al, "Hydron **Gel** Implants in vocal Cords", OtolaEyngolpay...shaped implant of a hydrophilic **gel** that has been previously dried...biocompatible, resorbable lubricious **gel** carrier comprising, e.g., a **polysaccharide**. This serves to improve the...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

35. Thermally reversible and irreversible gels

Viegas, Tacey X. / Henry, Raymond L. / Reeve, Lorraine E. / MDV Technologies, Inc., EUROPEAN PATENT, Feb 1992

...form of a counter-ion to **gel** the **polysaccharide** upon release of the counter-i...body, forms a semi-solid **gel** having a very high **viscosity**. Release of the counter-i...body, forms a semi-solid **gel** having a very high **viscosity**. Because the preferred...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

36. TISSUE TREATMENT

BOURNE, George / BUISIER, Marcia / CASEY, Thomas, V., II / KEENAN, Steve / LANPHERE, Janel / LI, Jianmin / MCKENNA, Erin / (...) / SCIMED LIFE SYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION, Oct 2003

...about 1% or less **polysaccharide**. The **polysaccharide** is alginate. The...gelling compound is a **polysaccharide**. The gelling compound...mole or greater. The **viscosity** of the base polymer...is a photograph of **gel**-stabilized drops...

Full text available at patent office. For more in-depth searching go to LexisNexis similar results

37. VASCULAR ACCESS PRESERVATION IN HEMODIALYSIS PATIENTS

VOURNAKIS, John, M. / FINKIELSZTEIN, Sergio / PARISER, Ernst, R. / MARINE POLYMER TECHNOLOGIES, INC., PATENT COOPERATION TREATY APPLICATION, Mar 2005

The present invention relates generally to the field of hemodialysis, including methods and kits that can be employed to improve hemodialysis therapy. The present invention encompasses methods and kits useful for reducing vascular access complications...

Full text available at patent office. For more in-depth searching go to  LexisNexis similar results

38. BONE-TREATMENT INSTRUMENT AND METHOD

DANIEL, Steven, A. / BALBIERZ, Daniel, J. / RUSSELL, Robert, D. / PEARSON, Robert / TAMAYO, Andres / JIMBO, Takehito / FRISCHMEYER, Karen / RITA MEDICAL SYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION, Jul 2002

Disclosed is a system for palliatively treating a pain-causing tumor on or in bone. The system includes an instrument (286) having a distal-end structure (294) adapted to be inserted into the bone tumor, where the structure (294) is activatable to...

Full text available at patent office. For more in-depth searching go to  LexisNexis similar results

39. MEDICAL POLYMER GEL

TANIHARA, Masao / KINOSHITA, Hisao / KURARAY CO., LTD., EUROPEAN PATENT, May 1996

...relates to a novel water swelling polymer **gel** consisting of **polysaccharide** having excellent transparency, thermal...biocompatibility. As such water swelling polymer **gel** consisting of **polysaccharide**, it is known a **gel** composed of agar, agarose and carrageenan...

Full text available at patent office. For more in-depth searching go to  LexisNexis similar results

40. SURFACTANT-POLYMER COMPOSITION FOR SUBSTANTIALLY SOLID-FREE WATER BASED DRILLING, DRILL-IN, AND COMPLETION FLUIDS

QUINTERO, Lirio / BAKER HUGHES INCOPORATED, PATENT COOPERATION TREATY APPLICATION, Jun 2003

...as measured in I **centipoise** units. The coefficient of **viscosity** of a normal homogeneous...is analogous to **viscosity** in Newtonian fluids...similarly measured in **centipoise** units. In drilling...point, low plastic i **viscosity**, high **gel** strength, with thermal...

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